Contents Volumes 223 / 224

SPECIAL ISSUE DEDICATED TO MIROSLAV FIEDLER AND VLASTIMIL PTÁK

PREFACE 1

ZDENĚK VAVŘÍN (Prague, The Czech Republic)
Miroslav Fiedler and Vlastimil Pták: Life and Work 3

DANIEL ALPAY AND VLADIMIR BOLOTNIKOV (Beer-Sheva, Israel)
Two-Sided Interpolation for Matrix Functions With Entries in the Hardy Space 31

T. ANDO (Sapporo, Japan)
Majorization Relations for Hadamard Products 57

H. ARIZMENDI (Mexico D. F., Mexico) AND V. MÜLLER (Praha, Czech Republic)
On Algebras Without Generalized Topological Divisors of Zero 65

WAYNE W. BARRETT, MICHAEL E. LUNDQUIST (Provo, Utah), CHARLES R. JOHNSON, AND HUGO J. WOERDEMAN (Williamsburg, Virginia)
Completing a Block Diagonal Matrix With a Partially Prescribed Inverse 73

LEROY B. BEASLEY AND SHUMIN YE (Logan, Utah)
Linear Operators Preserving L-Matrices 89

ROBERTO BEVILACQUA, NAZZARENO BONANNI, AND ENRICO BOZZO (Pisa, Italy)
On Algebras of Toeplitz Plus Hankel Matrices 99

RAJENDRA BHATIA (New Delhi, India) AND CHANDLER DAVIS (Toronto, Canada)
A Cauchy-Schwarz Inequality for Operators With Applications 119

ALBERTO BOROBIA (Madrid, Spain)
On the Nonnegative Eigenvalue Problem 131

RICHARD A. BRUALDI (Madison, Wisconsin) AND AMÉLIA FONSECA (Lisboa, Portugal)
Colorability of Induced Matroids 141

ANIEKAN A. EBIEFUNG (Chattanooga, Tennessee)
Existence Theory and Q-Matrix Characterization for the Generalized Linear Complementarity Problem 155

MIROSLAV ENGLIŠ (Prague, Czech Republic)
Toeplitz Operators and the Berezin Transform on H^2 171

M. I. GEKHTMAN AND M. SHMOISH (Rehovot, Israel)
On Invertibility of Nonsquare Generalized Bezoutians 205

Table of Contents continued

ANDREA GOMBANI (Padova, Italy)
On the Schmidt Pairs of Multivariable Hankel Operators and Robust Control 243

MICHAEL M. GREEN (Stony Brook, New York) AND ALAN N. WILLSON, JR. (Los Angeles, California)
Transistor Circuits and Potentially Stable Operating Points 267

PETER GRITZMANN (Trier, Germany), VICTOR KLEE (Seattle, Washington), AND BIT-SHUN TAM (Taiwan, Republic of China)
Cross-Positive Matrices Revisited 285

MARTIN H. GUTKNECHT (Zurich, Switzerland) AND MARLIS HOCHBRUCK (Tübingen, Germany)
The Stability of Inversion Formulas for Toeplitz Matrices 307

SY-MING GUU (Taiwan, Republic of China) AND RICHARD W. COTTLE (Stanford, California)
On a Subclass of P_0 325

GEORG HEINIG (Safat, Kuwait)
Matrix Representations of Bezoutians 337

ROGER A. HORN (Salt Lake City, Utah)
Norm Bounds for Hadamard Products and an Arithmetic—Geometric Mean Inequality for Unitarily Invariant Norms. 355

CHARLES R. JOHNSON (Williamsburg, Virginia), WILLIAM D. MCCUAIG (Toronto, Ontario, Canada), AND DAVID P. STANFORD (Williamsburg, Virginia)
Sign Patterns that Allow Minimal Semipositivity 363

CHARLES R. JOHNSON (Williamsburg, Virginia) AND PABLO TARAZAGA (Mayaguez, Puerto Rico)
Connections Between the Real Positive Semidefinite and Distance Matrix Completion Problems 375

JAROSLAV KAUTSKY AND RADKA TURCAJOVÁ (Adelaide, Australia)
Discrete Biorthogonal Wavelet Transforms as Block Circulant Matrices . . 393

UDO R. KRIEGER (Darmstadt, Germany)
On a Two-Level Multigrid Solution Method for Finite Markov Chains. . . 415

MONIQUE LAURENT (Paris, France) AND SVATOPLUK POLJAK (Passau, Germany)
On a Positive Semidefinite Relaxation of the Cut Polytope 439

CHI-KWONG LI (Williamsburg, Virginia) AND NAM-KIU TSING (Hong Kong, People's Republic of China)
Linear Maps Relating Different Unitary Similarity Orbits or Different Generalized Numerical Ranges. 463

Table of Contents continued

RAPHAEL LOEWY (Haifa, Israel) AND STEPHEN PIERCE (San Diego, California)
Linear Preservers of Balanced Nonsingular Inertia Classes 483

IVO MAREK (Praha, Czech Republic)
On Square Roots of M-Operators 501

REINHARD NABBEN (Bielefeld, Germany) AND RICHARD S. VARGA (Kent, Ohio)
On Classes of Inverse Z-Matrices 521

BARRY W. PEYTON (Oak Ridge, Tennessee), ALEX POTHEN (Norfolk, Virginia), AND XIAOQING YUAN (North York, Ontario, Canada)
A Clique-Tree Algorithm for Partitioning a Chordal Graph Into Transitive Subgraphs 553

JIŘÍ ROHN (Prague, Czech Republic)
Checking Bounds on Solutions of Linear Interval Equations is NP-Hard . .589

KARLA ROST (Chemnitz, Germany) AND ZDENĚK VAVŘÍN (Praha, Czech Republic)
Recursive Solution of Löwner-Vandermonde Systems of Equations. II 597

RONALD L. SMITH (Chattanooga, Tennessee)
Some Results on a Partition of Z-Matrices 619

P. G. SPAIN (Glasgow, Scotland)
A Discrete Variation on Kronecker's Theorem 631

P. G. SPAIN (Glasgow, Scotland)
Tracking Poles, Representing Hankel Operators, and the Nehari Problem .637

ROMAN SZNAJDER AND M. SEETHARAMA GOWDA (Baltimore, Maryland)
Generalizations of P_0- and P-Properties, Extended Vertical and Horizontal Linear Complementarity Problems 695

REHA H. TÜTÜNCÜ AND MICHAEL J. TODD (Ithaca, New York)
Reducing Horizontal Linear Complementarity Problems 717

GEORGE VISICK (Northwood, Middlesex, England)
A Weak Majorization Involving the Matrices $A \circ B$ and AB 731

AUTHOR INDEX 745